

10102-2

Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of : Arthur W. Chester, et al:  
Serial No. : 09/468,452  
Filed : 21 December 1999  
For : GASOLINE SULFUR REDUCTION IN FLUID  
CATALYTIC CRACKING  
Group Art Unit : 1754  
Examiner : C. Ildebrando



Amendment

Assistant Commissioner of Patents  
Washington, D.C. 20231

Sir:

Please amend this application as set out below.

*In the claims*

*Cancel* claims 1 to 16 .

*Amend* claim 17 to read:

17. (Amended) A fluidizable catalytic cracking product sulfur reduction catalyst for reducing the sulfur content of a catalytically cracked gasoline fraction during the catalytic cracking process, which comprises fluidizable particles having a size range from about 20 to about 100 microns of (i) a porous molecular sieve component in a matrix comprising alumina or silica-alumina with clay, (ii) a first metal component comprising vanadium in an oxidation state greater than zero located within the interior pore structure of the porous hydrocarbon cracking component and (iii) a second metal component comprising cerium located within the interior pore structure of the porous molecular sieve, in which the metal components have been introduced into the zeolite as exchanged cationic species within the zeolite pores.

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